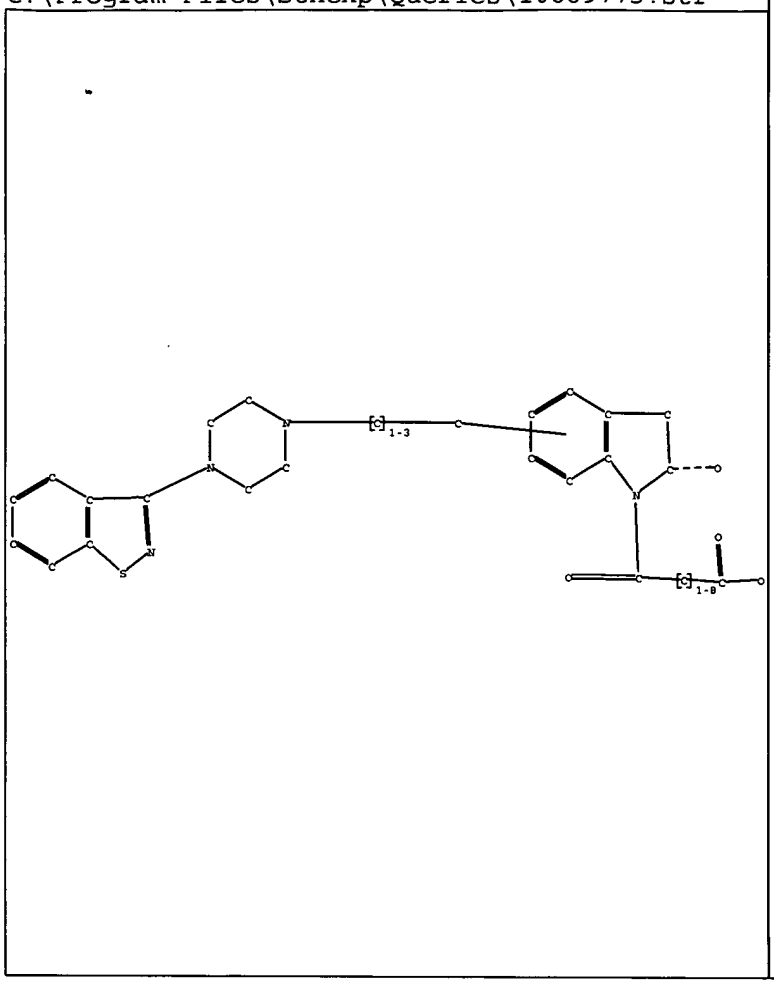
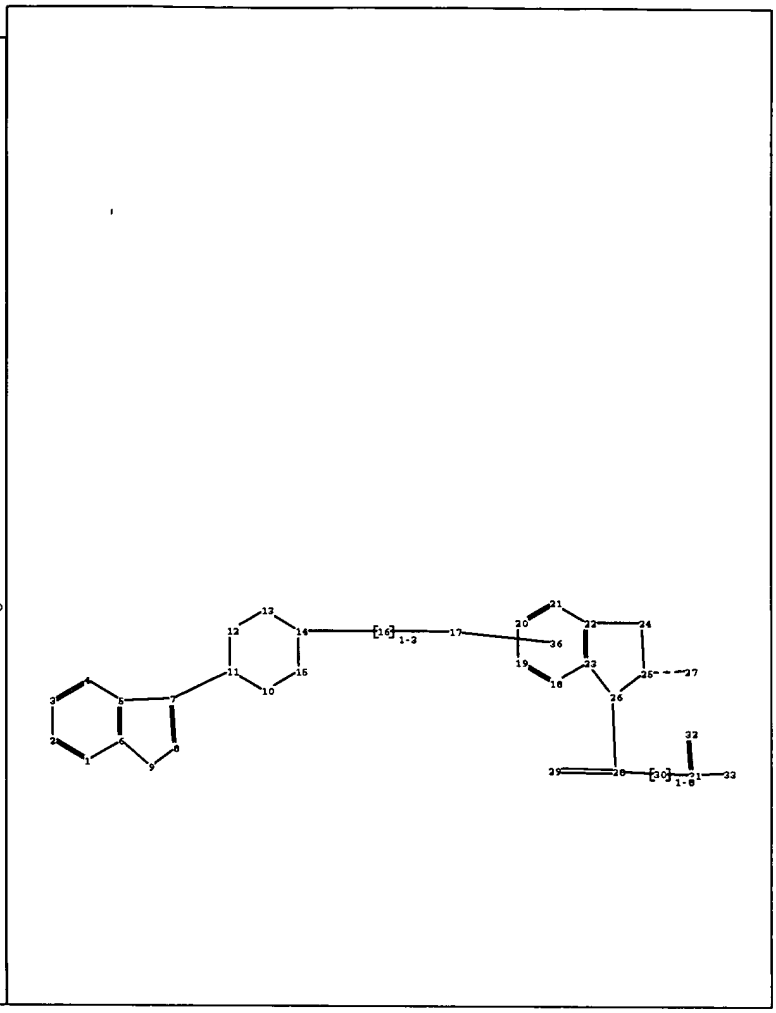
C:\Program Files\Stnexp\Queries\10689773.str

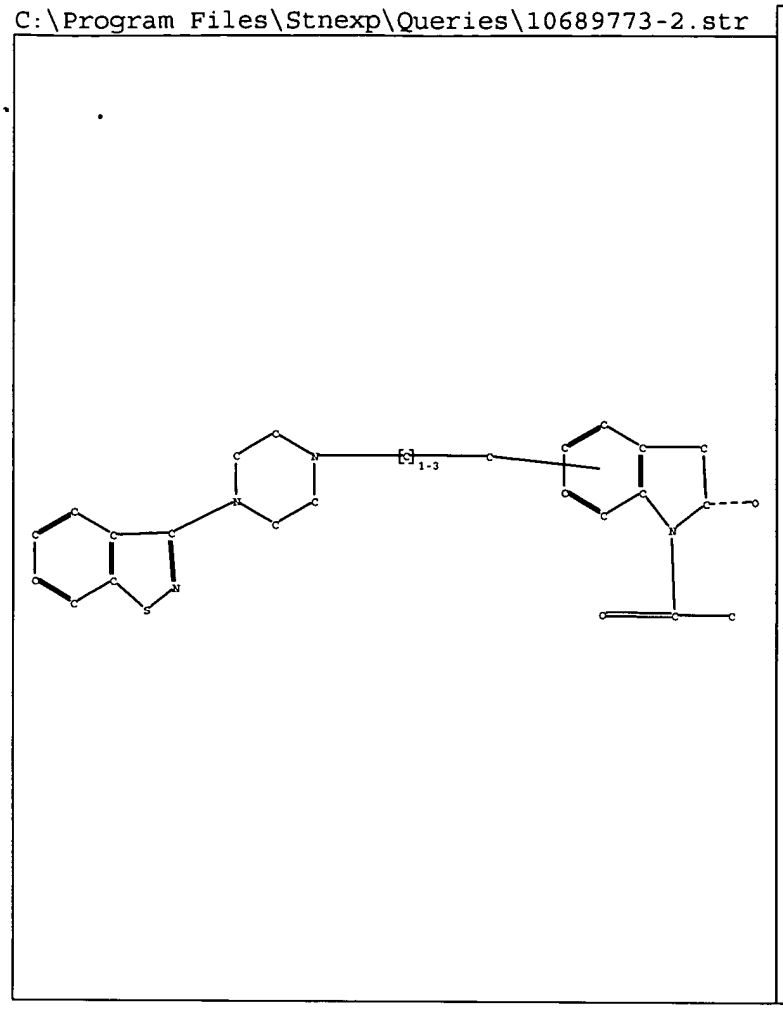


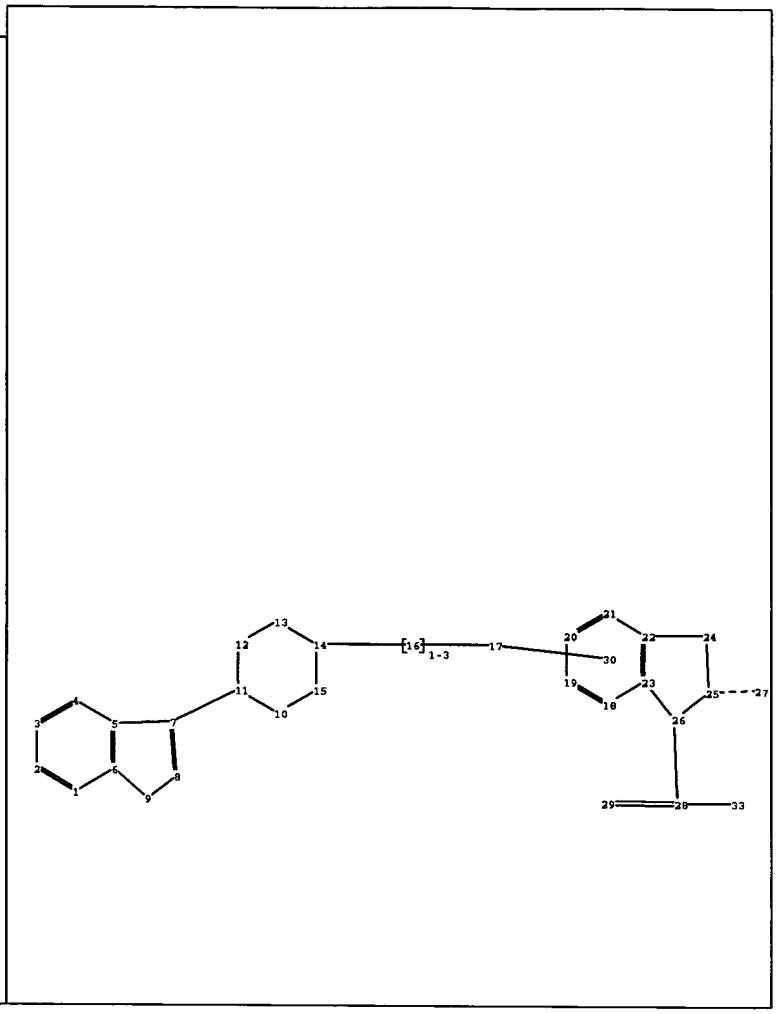


chain nodes :
16 17 27 28 29 30 31 32 33
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23 24 25 26
chain bonds :
7-11 14-16 16-17 25-27 26-28 28-29 28-30 30-31 31-32 31-33
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 18-19 18-23 19-20 20-21 21-22 22-23 22-24 23-26 24-25 25-26
exact/norm bonds :
5-7 6-9 7-8 7-11 8-9 10-11 10-15 11-12 12-13 13-14 14-15 14-16 22-24 23-26
24-25 25-26 25-27 26-28 28-29 31-32 31-33
exact bonds :
16-17 28-30 30-31
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS 29:CLASS
30:CLASS 31:CLASS 32:CLASS 33:CLASS 36:CLASS

C:\Program Files\Stnexp\Queries\10689773-2.str



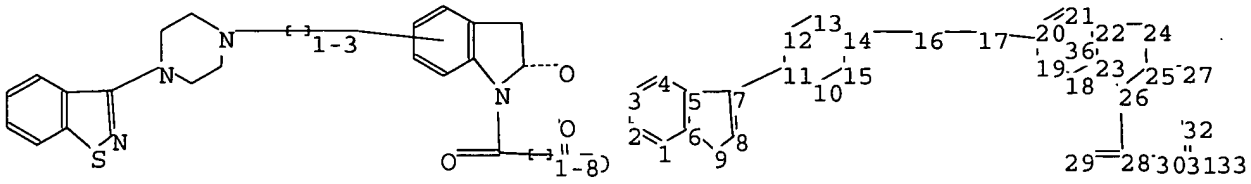


chain nodes :
16 17 27 28 29 33
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23 24 25 26
chain bonds :
7-11 14-16 16-17 25-27 26-28 28-29 28-33
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 18-19 18-23 19-20 20-21 21-22 22-23 22-24 23-26 24-25 25-26
exact/norm bonds :
5-7 6-9 7-8 7-11 8-9 10-11 10-15 11-12 12-13 13-14 14-15 14-16 22-24 23-26
24-25 25-26 25-27 26-28 28-29
exact bonds :
16-17 28-33
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS 29:CLASS
30:CLASS 33:CLASS

10/689773

=>
Uploading C:\Program Files\Stnexp\Queries\10689773.str



chain nodes :
16 17 27 28 29 30 31 32 33
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23 24 25
26
chain bonds :
7-11 14-16 16-17 25-27 26-28 28-29 28-30 30-31 31-32 31-33
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 18-19 18-23 19-20 20-21 21-22 22-23 22-24 23-26 24-25 25-26
exact/norm bonds :
5-7 6-9 7-8 7-11 8-9 10-11 10-15 11-12 12-13 13-14 14-15 14-16 22-24
23-26 24-25 25-26 25-27 26-28 28-29 31-32 31-33
exact bonds :
16-17 28-30 30-31
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS
29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 36:CLASS

L6 STRUCTURE UPLOADED

=> s l6
SAMPLE SEARCH INITIATED 17:54:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

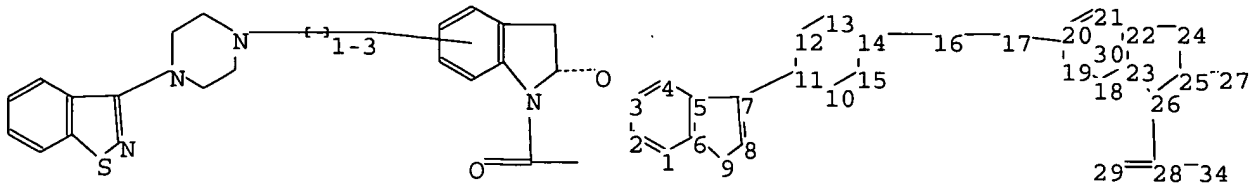
100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

Predicting 0 Answers

L7 0 SEA SSS SAM L6

=>
Uploading C:\Program Files\Stnexp\Queries\10689773-2.str



chain nodes :
16 17 27 28 29 34
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23 24 25
26
chain bonds :
7-11 14-16 16-17 25-27 26-28 28-29 28-34
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 18-19 18-23 19-20 20-21 21-22 22-23 22-24 23-26 24-25 25-26
exact/norm bonds :
5-7 6-9 7-8 7-11 8-9 10-11 10-15 11-12 12-13 13-14 14-15 14-16 22-24
23-26 24-25 25-26 25-27 26-28 28-29
exact bonds :
16-17 28-34
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS
29:CLASS 30:CLASS 34:CLASS

L8 STRUCTURE UPLOADED

=> s l8
SAMPLE SEARCH INITIATED 17:58:36 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> s l8 sss full
FULL SEARCH INITIATED 17:58:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 62 TO ITERATE

100.0% PROCESSED 62 ITERATIONS 11 ANSWERS

SEARCH TIME: 00.00.01

L10 11 SEA SSS FUL L8

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	164.77	357.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.38

FILE 'CAPLUS' ENTERED AT 17:58:51 ON 28 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 28 May 2005 VOL 142 ISS 23
FILE LAST UPDATED: 27 May 2005 (20050527/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l10
L11 1 L10

=> d l11 bib abs hitstr

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:370931 CAPLUS
DN 140:375189
TI Process for preparation of 5-(2-(4-(1,2-benzisothiazol-3-yl)-1-piperazinyl)ethyl)-6-chloro-1,3-dihydro-2H-indol-2-one derivatives
IN Norris, Timothy; Colon-Cruz, Roberto
PA Pfizer Products Inc., USA
SO PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004037819	A1	20040506	WO 2003-IB4519	20031013

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,

TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

	US 2004138232	A1	20040715	US 2003-689773	20031021
PRAI	US 2002-420843P	P	20021024		

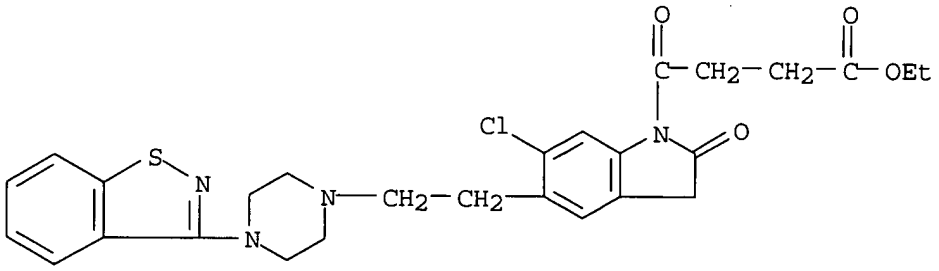
OS CASREACT 140:375189; MARPAT 140:375189
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB This invention pertains to a method for producing 5-(2-(4-(1,2-benzisothiazole-3-yl)-1-piperazinyl)ethyl)-6-chloro-1,3-dihydro-2H-indol-2-one derivs. with general formula of I [wherein R1 = H or alkyl; n = 1-5] or pharmaceutically acceptable salts thereof. For example, the compound II was prepared in a multi-step synthesis comprising alkylation and hydrolysis starting from ziprasidone. I are useful as antipsychotics (no data).

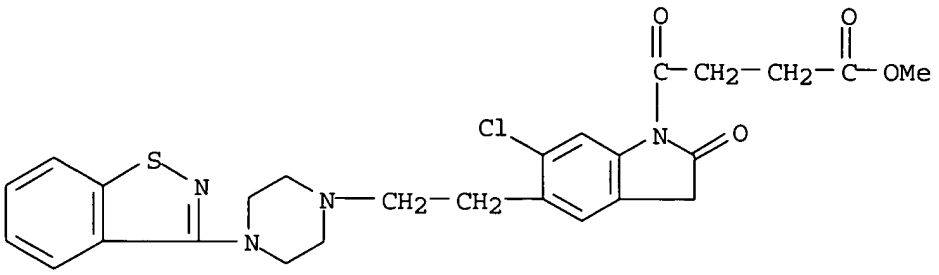
IT **685567-33-3P 685567-36-6P 685567-37-7P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of [(benzisothiazolylpiperazinyl)ethyl]indole derivs.)

RN 685567-33-3 CAPLUS
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo-, ethyl ester, monohydrochloride (9CI) (CA INDEX NAME)



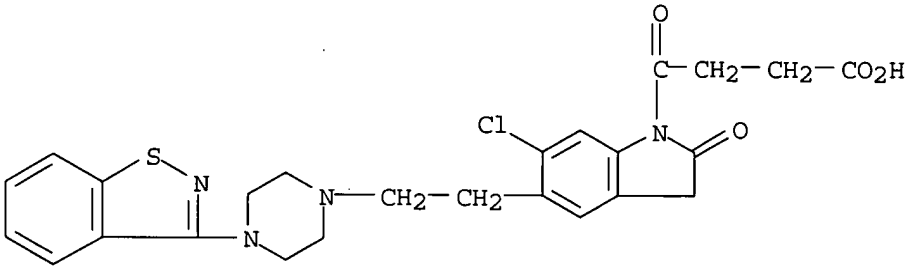
● HCl

RN 685567-36-6 CAPLUS
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)



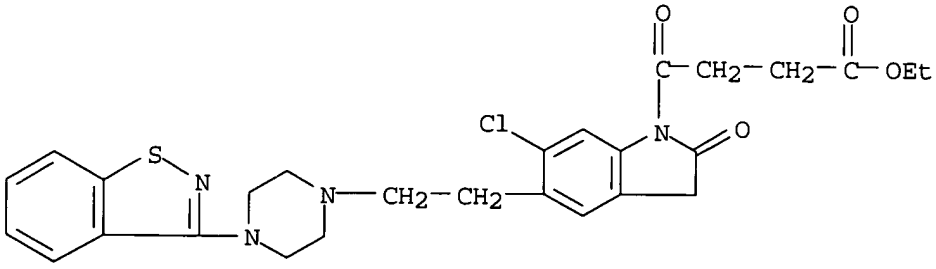
● HCl

RN 685567-37-7 CAPLUS
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo-, monohydrochloride (9CI) (CA INDEX NAME)

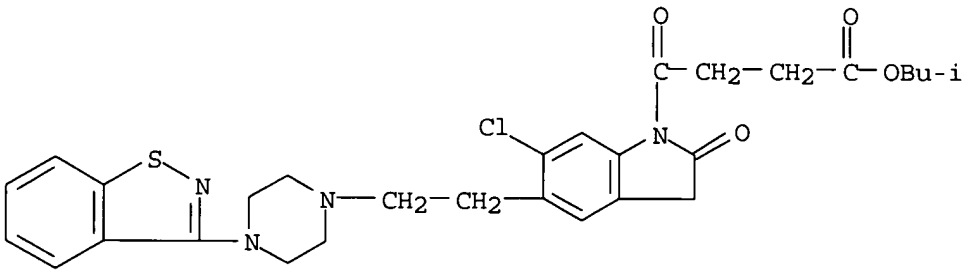


● HCl

IT **685567-34-4P 685567-35-5P 685567-39-9P 685567-40-2P**
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of [(benzisothiazolylpiperazinyl)ethyl]indole derivs.)
RN 685567-34-4 CAPLUS
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo-, ethyl ester (9CI) (CA INDEX NAME)



RN 685567-35-5 CAPLUS
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo-, 2-methylpropyl ester, monohydrochloride (9CI) (CA INDEX NAME)

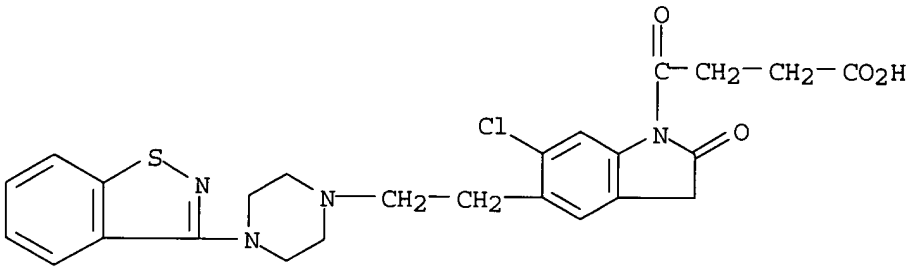


● HCl

RN 685567-39-9 CAPLUS
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo-, monomethanesulfonate (9CI) (CA INDEX NAME)

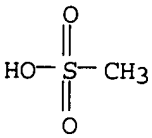
CM 1

CRN 685567-38-8
CMF C25 H25 Cl N4 O4 S



CM 2

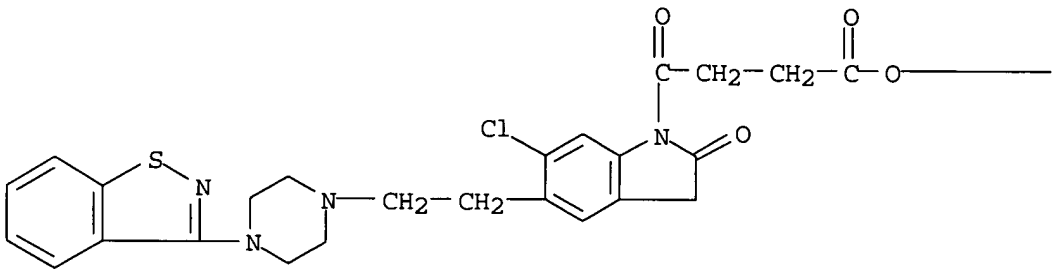
CRN 75-75-2
CMF C H4 O3 S



RN 685567-40-2 CAPLUS
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo-, decyl ester,

monohydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A

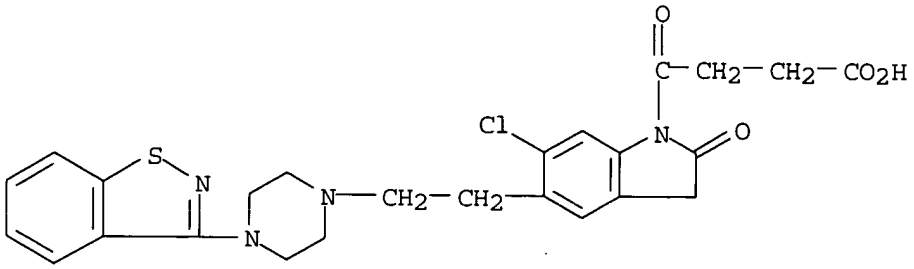


● HCl

PAGE 1-B

— $(CH_2)_9$ — Me

IT **685567-38-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of [(benzisothiazolylpiperazinyl)ethyl]indole derivs.)
RN 685567-38-8 CAPLUS
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo- (9CI) (CA INDEX NAME)



=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.39	362.65
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-5.11

FILE 'CAOLD' ENTERED AT 17:59:26 ON 28 MAY 2005

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

```
=> d his

     (FILE 'HOME' ENTERED AT 17:21:31 ON 28 MAY 2005)

     FILE 'REGISTRY' ENTERED AT 17:21:39 ON 28 MAY 2005
L1             STRUCTURE UPLOADED
L2           6 S L1
L3         125 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 17:22:54 ON 28 MAY 2005
L4           6 S L3

     FILE 'CAOLD' ENTERED AT 17:23:47 ON 28 MAY 2005
L5           0 S L3

     FILE 'REGISTRY' ENTERED AT 17:53:20 ON 28 MAY 2005
L6             STRUCTURE UPLOADED
L7           0 S L6
L8             STRUCTURE UPLOADED
L9           0 S L8
L10         11 S L8 SSS FULL

     FILE 'CAPLUS' ENTERED AT 17:58:51 ON 28 MAY 2005
L11          1 S L10

     FILE 'CAOLD' ENTERED AT 17:59:26 ON 28 MAY 2005

=> s l10
L12          0 L10

=> log h
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               0.43     363.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -5.11

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 17:59:50 ON 28 MAY 2005
```